



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**Historical Arts and Casting, Inc.**  
**5580 West Bagley Park Road**  
**West Jordan, UT 84081**

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: Series "HACI 2000" Bronze Fixed Window – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. **H222.1008.10**, titled "HACI 2000 Series Bronze Windows", sheets 1 through 6 of 6, dated 02/21/11 with the latest revision dated 03/15/12, prepared by Wolters Engineering, Inc., signed and sealed by Scott Wolters, P. E., bearing the Miami-Dade County Product Control Section stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1, evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



*J. Gascon*  
*3/19/12*

NOA No. 11-0602.05  
Expiration Date: March 29, 2017  
Approval Date: March 29, 2012  
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **H222.1008.10**, titled "HACI 2000 Series Bronze Windows", sheets 1 through 6 of 6, dated 02/21/11 with the latest revision, dated 03/15/12, prepared by Wolters Engineering, Inc., signed and sealed by Scott Wolters, P. E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94  
along with marked-up drawings and installation diagram of fixed window, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0222-0701-09**, dated 04/13/10, signed and sealed by Vinu J. Abraham, P. E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2007 and FBC-2010, dated 05/27/11, prepared by Wolters Engineering, Inc., dated 11/01/11, signed and sealed by Scott Wolters, P. E.
2. Glazing complies with ASTM E1300-04

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **07-1116.11** issued to **Saf-Glas, LLC** for their "**SAF-GLAS Polycarbonate Laminate**", dated 12/27/07, expiring on 12/16/12.

**F. STATEMENTS**

1. Statement letter of conformance and complying with FBC-2010, issued by Wolters Engineering, Inc., dated 03/05/12, signed and sealed by Scott Wolters, P. E.
2. Statement letter of no financial interest, conformance and complying with FBC-2007, issued by Wolters Engineering, Inc., dated 05/27/11, signed and sealed by Scott Wolters, P.E.
3. Laboratory compliance and addendum letter for Test Report No. **HTL-0222-0701-09**, issued by Hurricane Test Laboratory, LLC, dated 04/13/10 and 10/21/11, both signed and sealed by Vinu J. Abraham, P. E.

**G. OTHERS**

1. None.



Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 11-0602.05

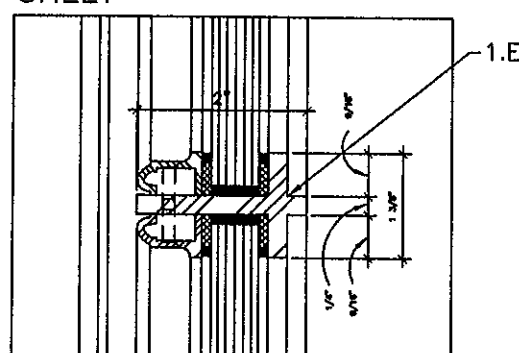
Expiration Date: March 29, 2017

Approval Date: March 29, 2012

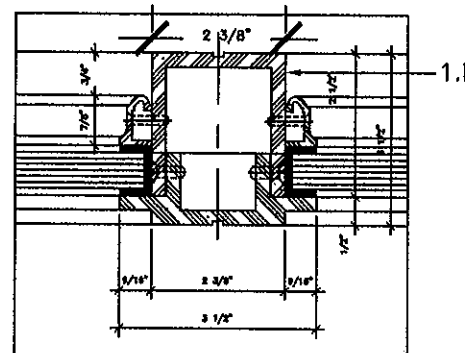
HACI 2000 SERIES  
BRONZE FIXED WINDOWS

GENERAL NOTES:

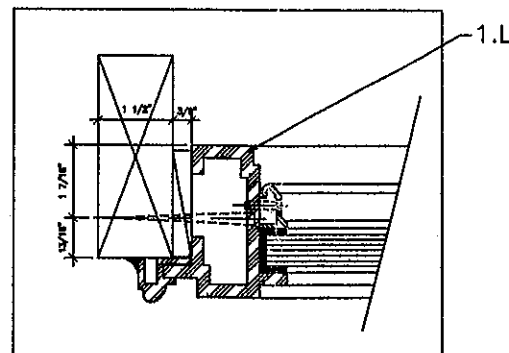
1. THIS APPROVAL APPLIES TO HACI 2000 SERIES IMPACT RESISTANT FIXED WINDOWS WHEN CONSTRUCTED AND INSTALLED AS DESCRIBED HEREIN.
2. APPROVED CONFIGURATIONS: SINGLE "O" OR MULLED "O-O" FIXED GLASS, WITH OR WITHOUT HACI OUTSWING CASEMENT WINDOWS PER SEPARATE APPROVAL (SEE DETAILS TO THE RIGHT)
3. ALLOWABLE DESIGN PRESSURES:  $\pm 70$  PSF
4. THESE WINDOWS HAVE BEEN DESIGNED AND TESTED TO TAS 201, 202, AND 203 PROTOCOLS IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 AND FBC 2010 INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
5. THESE WINDOWS ARE LARGE AND SMALL MISSILE IMPACT RATED, SHUTTERS ARE NOT REQUIRED.
6. WOOD OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED TO TRANSFER LOADS TO THE STRUCTURE.
7. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS INDICATED IN THIS APPROVAL. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
8. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
9. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH FBC CHAPTER 20.
10. WIND LOAD ALLOWABLE STRESS INCREASES WERE NOT USED IN THIS APPROVAL. A WIND LOAD DURATION FACTOR  $C_d = 1.6$  WAS USED FOR THE ANALYSIS OF WOOD SCREWS.
11. WINDOWS SHALL BE GLAZED IN ACCORDANCE WITH GLAZING DETAIL 1, THIS SHEET



1A



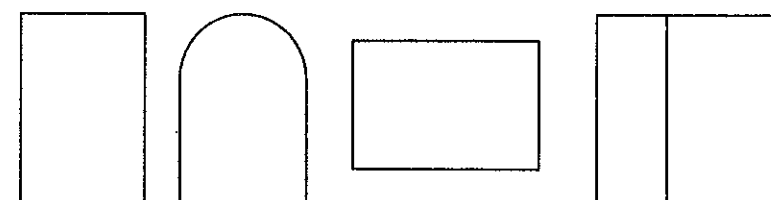
1B



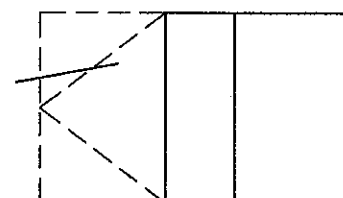
1C

GLAZING DESCRIPTION		ALLOWABLE DESIGN PRESSURES
OPTION	MAKEUP	
9/16" SAF-GLAS SECURITY IMPACT GLASS MIAMI-DADE NOA # 07-1116.11	1/4" HEAT STRENGTHENED GLASS / .025 CLEAR FILM / .125 POLYCARBONATE / .025 CLEAR FILM / 1/4" HEAT STRENGTHENED GLASS	+70/-70 PSF

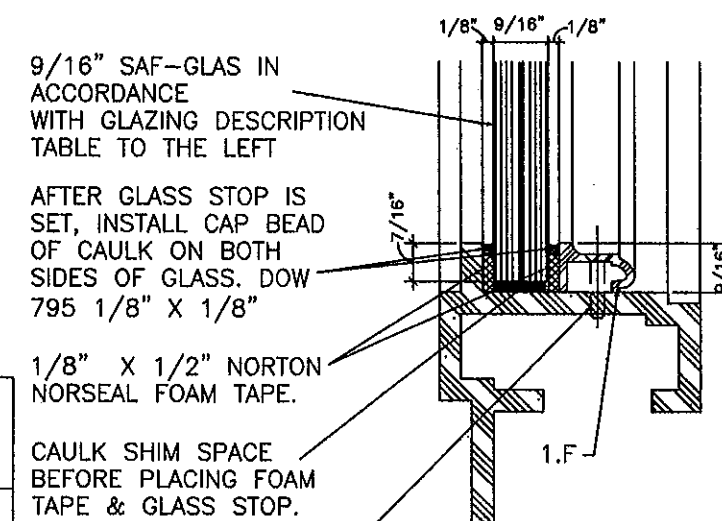
DRAWING INDEX	
SHT. NO.	DESCRIPTION
10F6	NOTES, GLAZING DETAIL
20F6	WINDOW ELEVATIONS & BILL OF MATERIALS
30F6	TYPICAL MOUNTING OPTIONS
40F6	SECTION DETAILS
50F6	EXTRUSIONS PROFILES
60F6	ISOMETERIC VIEWS



SEE SEPARATE  
APPROVAL FOR  
HACI OUTSWING  
CASEMENT WINDOWS



APPROVED CONFIGURATIONS  
(NOT SHOWN HERE ARE REQ'D TRUE  
DIVIDED LITES, SEE ELEV. SHT. 2)



9/16" SAF-GLAS IN  
ACCORDANCE  
WITH GLAZING DESCRIPTION  
TABLE TO THE LEFT

AFTER GLASS STOP IS SET, INSTALL CAP BEAD OF CAULK ON BOTH SIDES OF GLASS. DOW-795 1/8" X 1/8"

1/8" X 1/2" NORTON  
NORSEAL FOAM TAPE.


CAULK SHIM SPACE /  
BEFORE PLACING FOAM  
TAPE & GLASS STOP.

#8-32 x 1 1/4" BRONZE  
FHMS @ 2" FROM  
CORNERS AND 8" OC. MAX.

① SAF-GLAS  
GLAZING DETAIL  
SCALE: NOT TO SCALE

Approved as complying with the  
Florida Building Code

Florida Building Code  
Date 02/29/2012  
NOA# 11-0602.05  
Miami Dade Product Control  
By [Signature]

  
SCOTT WALTERS  
FLPE# 62354  
WALTERS ENGINEERING, INC.  
(COA# 27194)  
1271 GRANT STREET  
HOLLYWOOD, FL 33019  
MAR 15 2012

HACI 2000 SERIES BRONZE WINDOWS

**HISTORICAL. ARTS & CASTING INC.**

INDUSTRIAL FINIS & COATING, INC.  
5580 WEST BAGLEY PARK RD., WEST JORDAN, UT. 84081

PHONE 801-280-2400 FAX 801-280-2493

	H222.1008.10
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2/21/2011	
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1102/12/12		
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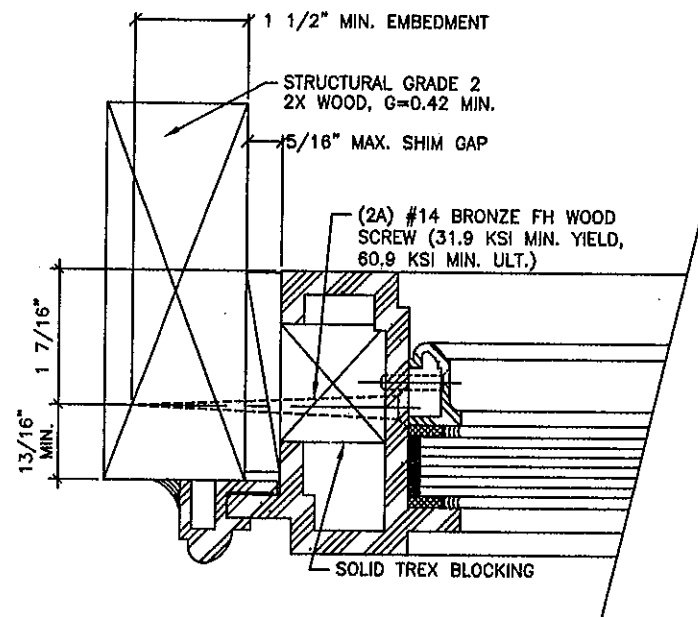
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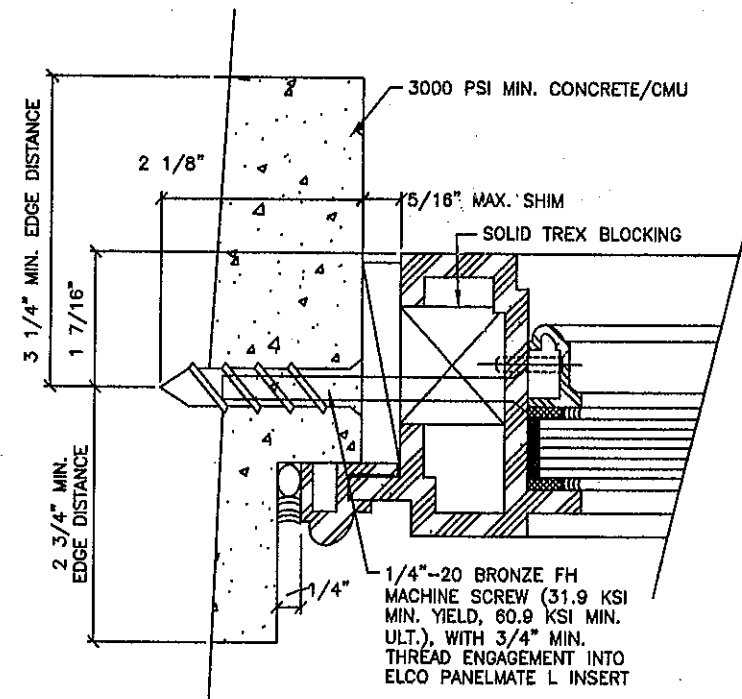
NOTES	REVISIONS
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10F6

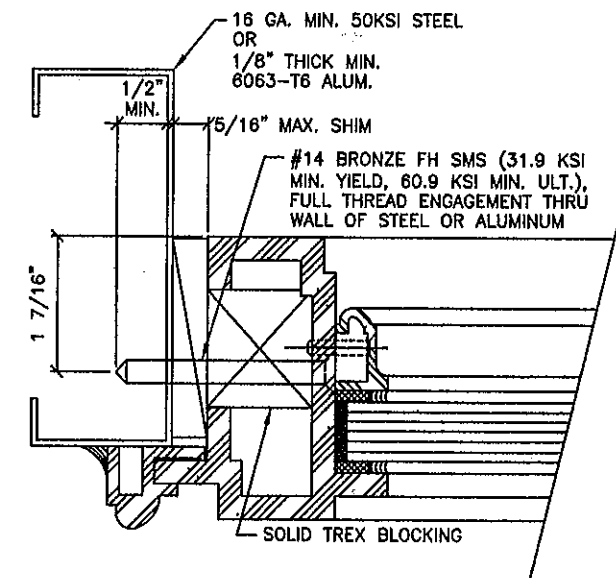




1 TYPICAL INSTALLATION HEAD, SILL, JAMB  
MOUNT TO WOOD  
NOT TO SCALE



2 TYPICAL INSTALLATION HEAD, SILL, JAMB  
MOUNT TO CONCRETE  
NOT TO SCALE




3 TYPICAL INSTALLATION HEAD, SILL, JAMB  
MOUNT TO METAL  
NOT TO SCALE

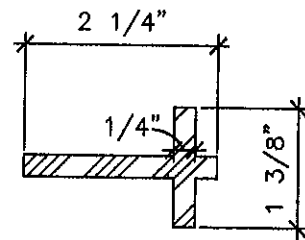
FASTENER SPACING PER ELEVATIONS ON SHEET 2 OF 6

Approved as complying with the  
Florida Building Code  
Date 03/29/2012  
NOA# 11-8262-0E  
Miami Code Product Control  
By [Signature]

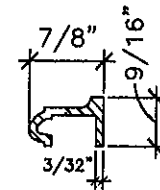
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SCOTT WOLTERS  
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1271 GRANT STREET  
HOLLYWOOD, FL 33019  
MAR 15 2012

HACI 2000 SERIES BRONZE WINDOWS	HISTORICAL ARTS & CASTING, INC.		H222.1008.10	2/21/2011	LAT
	5580 WEST Bayley PARK Rd., WEST JORDAN, UT. 84081				
	PHONE 801-280-2400 FAX 801-280-2493				
	NOTES		REVISIONS		
	30F6				

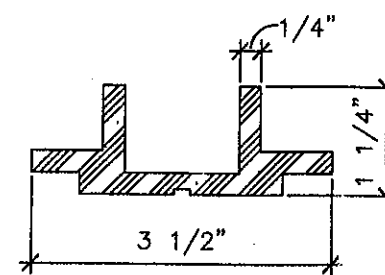
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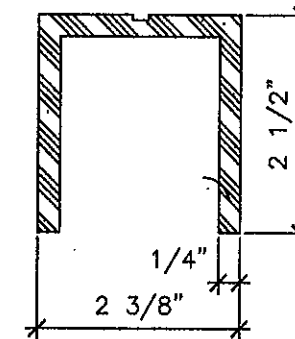
DW2000.05  
① MUNTIN (1.E)  
SCALE: NTS



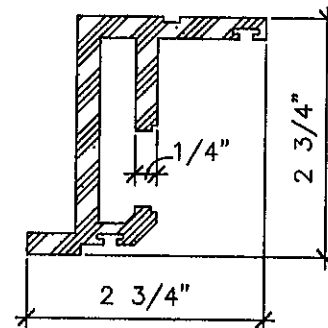
DW2000.08  
② GLASS STOP (1.F)  
SCALE: NTS



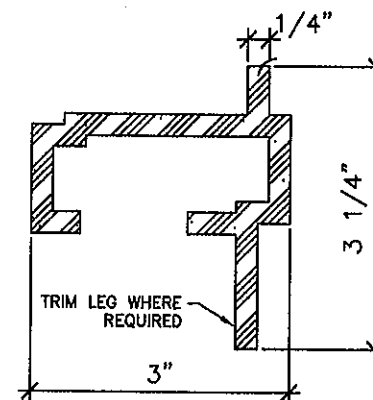
DW2000.41  
⑧ EXTERIOR MULLION (1.H)  
SCALE: NTS



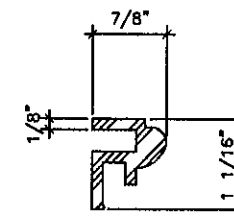
DW2000.40  
⑨ INTERIOR MULLION (1.I)  
SCALE: NTS



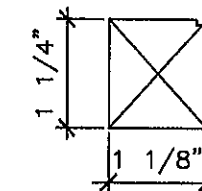
DW2000.08  
⑪ INTERIOR MEETING STILE (1.K)  
SCALE: NTS



DW2000.34  
⑫ FIXED SILL/JAMB (1.L)  
SCALE: NTS



DW2000.15  
⑬ APPLIED BRICKMOLD (1.M)  
SCALE: NTS



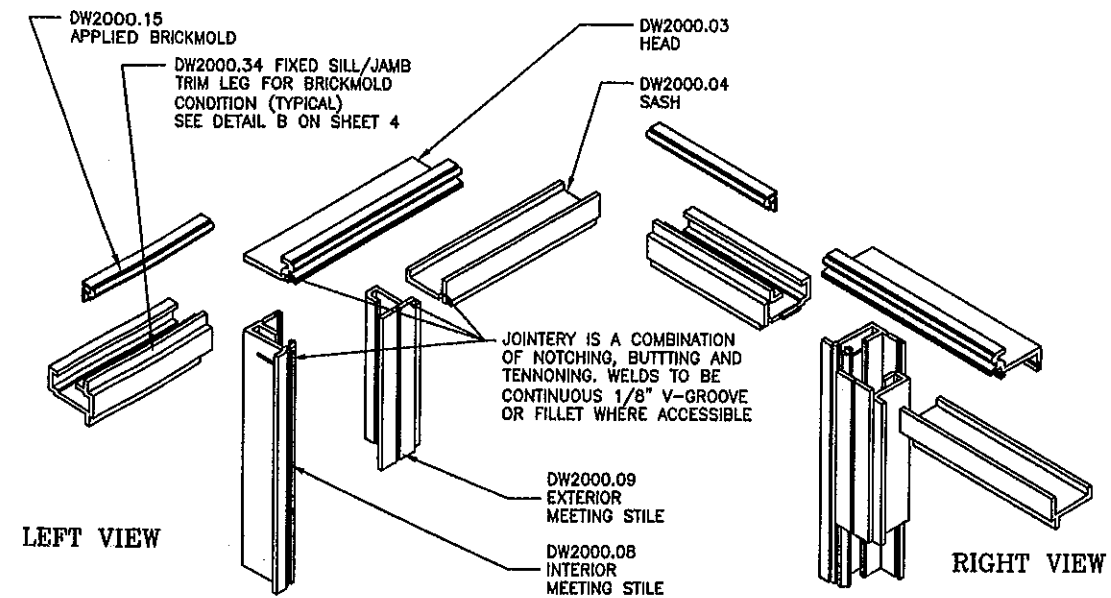
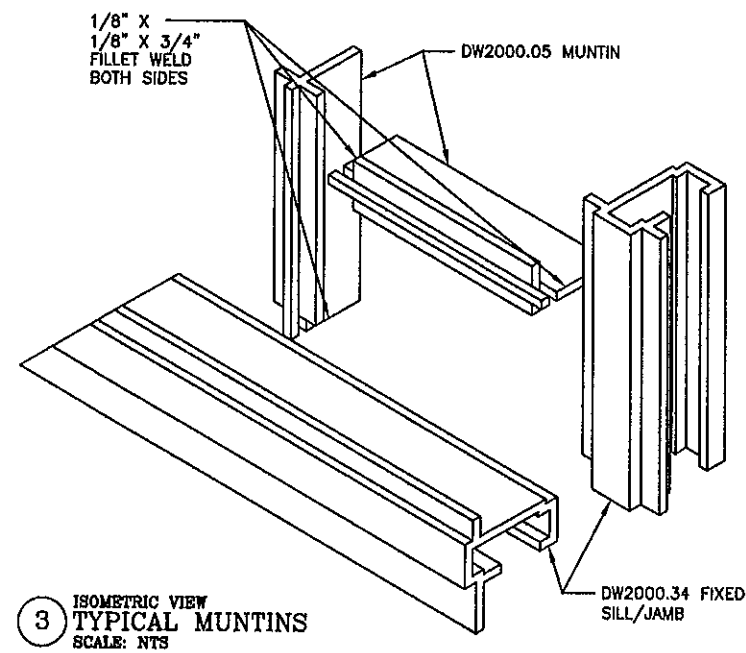
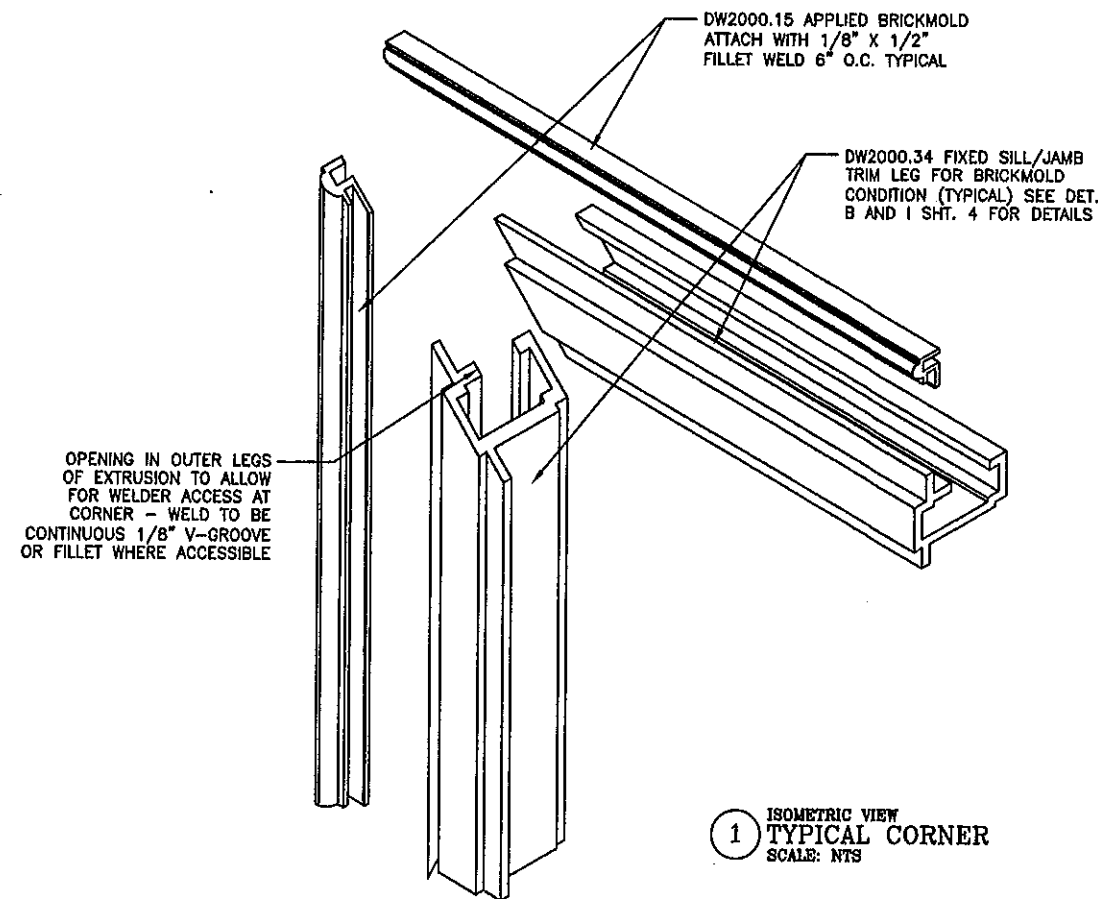
⑭ TREX BLOCKING  
SCALE: NTS

ALL METAL EXTRUSIONS  
BRONZE ALLOY 380

Approved as complying with the  
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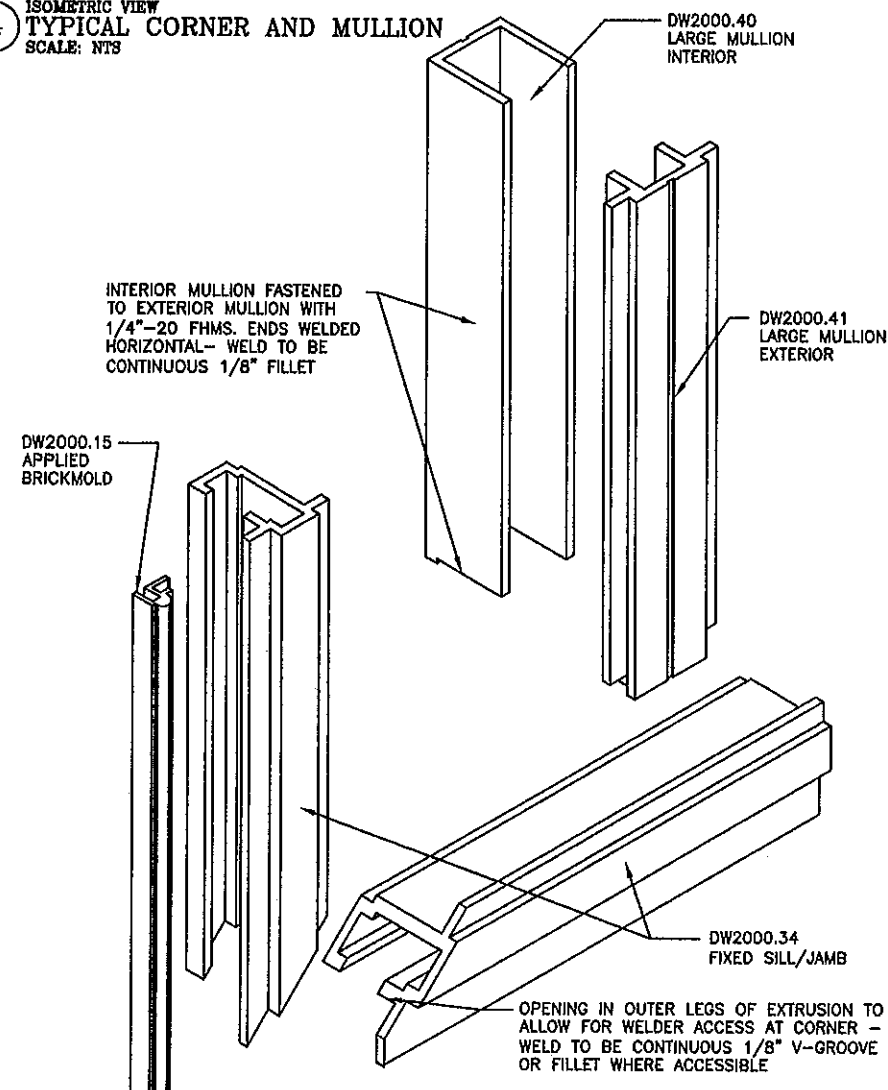
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SCOTT WOLTERS  
FLPE# 62354  
WOLTERS ENGINEERING, INC.  
(COA# 27194)  
1271 GRANT STREET  
HOLLYWOOD, FL 33019  
MAR 15 2012

HACI 2000 SERIES BRONZE WINDOWS		HISTORICAL ARTS & CASTING, INC.		5580 WEST BAYVIEW PARK RD., WEST JORDAN, UT. 84081		PHONE 801-280-2400		FAX 801-280-2493	
NOTES		REVISIONS		H222.1008.10		2/21/2011		LAT	
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2 ISOMETRIC VIEW  
TYPICAL FIXED TO CASEMENT MEETING RAIL  
SCALE: NTS

4 ISOMETRIC VIEW  
TYPICAL CORNER AND MULLION  
SCALE: NTS



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Miami Dade Product Control  
By [Signature]

[Signature]  
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